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***JOINT REGULATION GOVERNING THE USE AND APPLICATION OF
UNIFORM SOURCE MAINTENANCE AND RECOVERABILITY CODES***

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***DEPARTMENTS OF THE ARMY, THE NAVY, THE AIR FORCE, MARINE
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Marine Corps Order 4400.120
Defense Supply Agency Regulation 4100.6

Department of the Army,
the Navy, and the Air Force
Washington, D.C.

**JOINT REGULATION GOVERNING THE USE AND APPLICATION
OF UNIFORM SOURCE MAINTENANCE AND RECOVERABILITY CODES**

APPENDIX A: Uniform Source Codes
B: Uniform Maintenance Codes
C: Uniform Recoverability Codes

I. PURPOSE

To establish uniform source, maintenance and recoverability (SMR) codes and to prescribe policy for the application of these codes.

II. SCOPE

Uniform SMR codes will be used by all the services. Subject to the service options delineated herein, each service will ensure that the coding structure is used by their logistics management system in order to accomplish uniformity and to provide a means of interservice communication of information on multi-service equipments.

III. DEFINITIONS

A. Source Code:

Codes assigned to support items to indicate the manner of acquiring items for the maintenance, repair, or overhaul of end items.

B. Maintenance Code:

Codes assigned to support items to indicate the maintenance levels authorized to perform the required maintenance functions.

C. Recoverability Code:

Codes assigned to support items to indicate the disposition action on unserviceable support items.

D. Support Items:

Items subordinate to or associated with an end item, i.e., spares, repair parts and support equipment.

E. End Item:

A final combination of end products, component parts, and/or materials which is ready for its intended use, e.g., ship, tank, mobile machine shop, aircraft, ground support equipment.

F. Repair Part:

Material capable of separate supply and replacement which is required for the maintenance, overhaul, or repair of a system, equipment or end item. This definition does not include Support Equipment but does include repair parts for support equipment.

G. Spares:

Articles identical to or interchangeable with the end articles on contract which are procured over and above the quantity needed for initial installation for support of a system.

H. Support Equipment:

"Support Equipment" is that equipment required to make an item, system, or facility operational in its intended environment. This in-

cludes all equipment required to maintain and operate the item, system or facility including aerospace ground equipment and ground equipment.

IV. BACKGROUND

A. Source, Maintenance and Recoverability (SMR) Codes are used to communicate maintenance and supply instructions to the various logistic support levels and using commands for the logistic support of system, equipment, and end items. These codes are made available to their intended users by means of technical publications, such as allowance lists, illustrated parts breakdown (IPB) manuals, maintenance manuals, and supply documents. These codes are assigned to each support item based on the logistic support planned for the end item and its components.

B. The primary objective is to establish uniform policies, procedures, management tools, and means of communication that will promote interservice and integrated material support within and among the military services. Thus, the establishment of uniform source, maintenance and recoverability codes is an essential step toward improving overall capabilities for more effective interservice and integrated support.

V. POLICIES

A. Uniform SMR codes as established and defined herein will be assigned to support items during the initial acquisition phase of end items of material. These codes may also be applied to support items already in the supply system or to support items entering the supply system after initial acquisition of the end item.

B. Using military services will be responsible for the assignment of SMR codes to support items. Recommendations on the coding of support items may be requested from contractors or vendors. The using Military services may delegate coding responsibility to the pro-

curing military service by mutual written agreement.

C. The SMR code assigned to each support item is a record of a technical decision reflecting adequate consideration of the design, manufacture, application, maintenance and supply practices and capabilities as related to each support item and the operational missions of the end item.

D. Particular SMR codes assigned to a specific support item may vary depending on the particular application of the item within an end item and between different end items.

E. Codes assigned to a specific support item for a particular application to an end item may also vary when the end item has multi-service usage because of varying maintenance policies and operational missions.

F. Each military service or agency will assure that SMR codes are published in applicable maintenance and supply publications and documents. When commercial maintenance and supply publications are adopted for use by the military services or agencies, SMR codes will be published as required.

VI. IMPLEMENTATION

A. Military services will concurrently implement this regulation on a mutually agreed date. Implementing documents will provide for use of the SMR codes in the initial acquisition process for new end items.

B. Conversion of existing publications and data systems to the uniform SMR codes will be accomplished at the discretion of each service.

VII. UNIFORM SMR CODE FORMAT

The uniform code format is composed of three parts consisting of a two (2) position Source Code, a two (2) position Maintenance Code and a one (1) position Recoverability Code as follows:

SOURCE CODES		MAINTENANCE CODES		RECOVERABILITY CODES	
		Use	Repair	Indicates disposition of item	Reserved
Means of Acquiring support item		Lowest Maintenance Level Authorized to Remove, Replace and Use the Item	Indicates whether the item is to be repaired and identifies the lowest level of maintenance with the capability to perform complete repair (i.e., all authorized maintenance functions)		
(1)	(2)	(3)	(4)	(5)	(6)

A. Source Codes (2 positions)

Codes entered in the first and second positions of the uniform format indicating the source for acquiring the item for replacement purposes, i.e., procured and stocked, manufactured or assembled. (See Appendix A).

B. Maintenance Codes (2 positions)

Codes entered in the third and fourth positions of the uniform code format are as follows: (See Appendix B)

1. Third Position:

The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove/replace, and use the item. The decision to code the item for removal and replacement at the indicated maintenance level will require that all the capabilities necessary to install and assure proper operation after installation of a replacement item, (i.e., pre-installation inspection, testing and post-installation checkout) are provided.

2. Fourth Position:

a. The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). The decision to code the item for repair at the indicated maintenance level requires that all repair capability (remove, replace, repair, assemble, manufacture and test) for the support item be provided. This does not preclude some repair which may be accomplished at a lower level of maintenance unless specifically excluded by the appropriate code (e.g., code L).

b. Because of service differences in communicating maintenance information, a maintenance code entry in this position is not required by all the services. Therefore this position is for optional use on intra-service equipments. When a maintenance code is not used, a dash (-) sign will be entered. For multi-

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service equipments this position will contain a uniform maintenance code assigned by the service(s) requiring the code.

C. Recoverability Code (1 position)

Code entered in the fifth position of the uni-

form format indicating the desired disposition of the support item. (See Appendix C).

D. Reserved for Service Option (1 position)

Column 6 is reserved for internal management purposes of each service.

APPENDIX A

UNIFORM SOURCE CODES

GENERAL: Source Codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD	An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at intermediate maintenance levels. Air Force—Intermediate (*) Marine Corps—3rd Echelon Army—Direct Support (*) Navy—Afloat
MH	Item to be manufactured or fabricated at intermediate maintenance levels. Air Force—Intermediate (*) Marine Corps—4th Echelon Army—General Support (*) Navy—Ashore

<i>Code</i>	<i>Definition</i>
MG	Item to be manufactured or fabricated at both afloat and ashore intermediate maintenance levels—Navy use only.
MD	Item to be manufactured or fabricated at depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at intermediate maintenance levels. Air Force—Intermediate (*) Marine Corps—3rd Echelon Army—Direct Support (*) Navy—Afloat
AH	Item to be assembled at intermediate maintenance levels. Air Force—Intermediate (*) Marine Corps—4th Echelon Army—General Support (*) Navy—Ashore
AG	Item to be assembled at both afloat and ashore intermediate maintenance level—Navy use only.
AD	Item to be assembled at depot maintenance levels.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XC	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturers' part number.

(*) NOTE: For USAF and the USA Safeguard Program, only Code "F" will be used to denote intermediate maintenance. On joint programs, use of either code F or H by the joining service will denote intermediate maintenance to USAF and the USA Safeguard Program.

APPENDIX B

MAINTENANCE CODES

GENERAL: Maintenance codes are assigned to indicate the levels of maintenance authorized to *USE* and *REPAIR* support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code Format as follows:

USE (THIRD POSITION): The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The decision to code the item for removal and replacement at the indicated maintenance level will require that all the capabilities necessary to install and insure proper operation after installation of a replacement item (i.e., pre-installation inspection, testing and post-installation checkout) are provided. The maintenance code entered in the third position will indicate one of the following levels of maintenance.

<i>Code</i>	<i>APPLICATION/EXPLANATION</i>
O	<p>Support item is removed, replaced, used at the organizational level of maintenance.</p> <p><i>Note (1):</i> To distinguish between the organizational maintenance capabilities on different classes of ships the following codes may be used intra-Navy only. On joint programs, Navy will receive and transmit an 0 to indicate organizational maintenance level.</p> <p>2—Minesweeper, Yardcraft, Patrol Boat 3—Submarines 4—Auxiliary/Amphibious Ships 5—Major Combatant (Destroyer, Frigate) 6—Major Combatant (Cruiser, Carrier)</p> <p><i>Note (2):</i> On Army programs, a code "C" may be used in the third position to denote crew or operator maintenance performed within organizational maintenance. On joint programs the Army will receive or transmit an 0 to indicate organizational level.</p>
F	<p>Support item is removed, replaced, used at the following intermediate levels:</p> <p>USAF—Intermediate (*) USA—Direct Support (*) USN—Afloat USMC—Third Echelon</p>
G	<p>Support item is removed, replaced, used at both afloat and ashore intermediate levels:</p> <p>Navy only</p>

<i>Code</i>	<i>APPLICATION/EXPLANATION</i>
H	<p>Support item is removed, replaced, used at the following intermediate levels:</p> <p>USAF—Intermediate (*)</p> <p>USA—General Support (*)</p> <p>USN—Ashore (only)</p> <p>USMC—Fourth Echelon</p> <p>* Note: For USAF programs and the USA safeguard program, Code F will be used to denote intermediate maintenance. On joint programs, use of either Code F or H by the joining service will denote intermediate maintenance to USAF and the USA Safeguard program.</p>
D	<p>Support Items that are removed, replaced, used at Depot only:</p> <p>USAF—Depot, Mobile Depot and Specialized Repair Activity</p> <p>USA—Depot, Mobile Depot, Specialized Repair Activity</p> <p>USN—Aviation Rework, Avionics and Ordnance Facilities, and Shipyards</p> <p>USMC—Depot</p>

REPAIR (Fourth Position): The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). The decision to code the support item for repair at the indicated maintenance levels requires that all maintenance capability (remove, replace, repair, assemble, and test) for the support items be provided to that level. This does not preclude some repair which may be accomplished at a lower level of maintenance. However, because of service differences in communicating maintenance repair level information a maintenance code entry in this position is not required by all services. When a maintenance code is not used a dash (—) sign will be entered. For multi-service equipment/systems or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code:

<i>Code</i>	<i>APPLICATION/EXPLANATION</i>
O	<p>The lowest maintenance level capable of complete repair of the support item is the organizational level.</p> <p>Note: To distinguish between the organizational maintenance capabilities on different classes of ships the following codes will be used intra-Navy only. On joint programs, Navy will receive and transmit an O to indicate organizational maintenance level.</p> <p>2—Minesweeper, Yardcraft, Patrol Boat</p> <p>3—Submarines</p> <p>4—Auxiliary/Amphibious Ships</p> <p>5—Major Combatant (Destroyer, Frigate)</p> <p>6—Major Combatant (Cruiser, Carrier)</p>

<i>Code</i>	<i>APPLICATION/EXPLANATION</i>
F	<p>The lowest maintenance level capable of complete repair of the support item is the following intermediate level:</p> <p>USAF—Intermediate (*)</p> <p>USA—Direct Support (*)</p> <p>USN—Afloat</p> <p>USMC—Third Echelon</p>
H	<p>The lowest maintenance level capable of complete repair of the support item is the following intermediate level:</p> <p>USAF—Intermediate (*)</p> <p>USA—General Support (*)</p> <p>USN—Ashore (Only)</p> <p>USMC—Fourth Echelon</p> <p><i>*Note:</i> For USAF programs and the USA Safeguard program, Code F will be used to denote intermediate maintenance. On joint programs, use of either Code F or H by the joining service will denote intermediate maintenance to USAF and the USA Safeguard program.</p>
G	Both afloat and ashore intermediate levels are capable of complete repair of support item: Navy only.
D	<p>The lowest maintenance level capable of complete repair of the support item is the depot level:</p> <p>USAF—Depot, Mobile Depot and Specialized Repair Activity</p> <p>USA—Depot, Mobile Depot, Specialized Repair Activity</p> <p>USN—Aviation Rework, Avionics and Ordnance Facilities, Shipyards</p> <p>USMC—Depot</p>
L	Repair restricted to designated Specialized Repair Activity.
Z	Non-repairable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

APPENDIX C

RECOVERABILITY CODES

GENERAL: Recoverability Codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR Code Format as follows:

<i>Recoverability Codes</i>	<i>Definition</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in column 3.
O	Reparable item. When uneconomically repairable, condemn and dispose at organizational level.
F	Reparable item. When uneconomically repairable, condemn and dispose at the following intermediate levels: USAF—Intermediate (*) USA—Direct Support (*) USN—Afloat USMC—Third Echelon
H	Reparable item. When uneconomically repairable, condemn and dispose at the following levels: USAF—Intermediate (*) USA—General Support (*) USN—Ashore USMC—Fourth Echelon
*Note: For USAF programs and the USA Safeguard program, Code F will be used to denote intermediate level. On joined programs, use of either Code F or H by the joining service will denote intermediate level to USAF and the USA Safeguard program.	
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Reparable item. Repair, condemnation and disposal not authorized below depot/Specialized Repair Activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

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